



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** FOOD GRADE CHAIN LUBE  
**Synonym(s)** CRC FOOD GRADE CHAIN LUBE • FG03055 - PRODUCT CODE

#### 1.2 Uses and uses advised against

**Use(s)** AEROSOL DISPENSED • CHAIN LUBRICANT • LUBRICANT - AEROSOL

#### 1.3 Details of the supplier of the product

**Supplier name** CRC INDUSTRIES (AUST) PTY LIMITED  
**Address** 9 Gladstone Road, Castle Hill, NSW, 2154, AUSTRALIA  
**Telephone** (02) 9849 6700  
**Fax** (02) 9680 4914  
**Email** [info@crcind.com.au](mailto:info@crcind.com.au)  
**Website** [www.crcindustries.com.au](http://www.crcindustries.com.au)

#### 1.4 Emergency telephone number(s)

**Emergency** 13 11 26 (PIC)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS classification(s)** Aerosols: Category 2  
Aquatic Toxicity (Acute): Category 3

#### 2.2 Label elements

**Signal word** WARNING

**Pictogram(s)**



#### Hazard statement(s)

H223 Flammable aerosol.  
H229 Pressurized container: may burst if heated.  
H402 Harmful to aquatic life.

#### Prevention statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P273 Avoid release to the environment.

#### Response statement(s)

None allocated.

#### Storage statement(s)

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.



**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

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**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

**7.3 Specific end use(s)**

No information provided.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Control parameters****Exposure standards**

| Ingredient                    | Reference | TWA  |                   | STEL |                   |
|-------------------------------|-----------|------|-------------------|------|-------------------|
|                               |           | ppm  | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Liquefied petroleum gas (LPG) | SWA (AUS) | 1000 | 1800              | 1000 | 1800              |
| Mineral Oil Mist              | SWA (AUS) | --   | 5                 | --   | --                |

**Biological limits**

No biological limit values have been entered for this product.

**8.2 Exposure controls**

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

**PPE**

|                    |   |
|--------------------|---|
| <b>Eye / Face</b>  | Wear splash-proof goggles.  |
| <b>Hands</b>       | Wear nitrile or neoprene gloves.  |
| <b>Body</b>        | When using large quantities or where heavy contamination is likely, wear coveralls.                         |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator. |



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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

|                     |  |
|---------------------|--|
| <b>Appearance</b>   | COLOURLESS OILY LIQUID (AEROSOL DISPENSED) |
| <b>Odour</b>        | ODOURLESS                                  |
| <b>Flammability</b> | FLAMMABLE AEROSOL                          |
| <b>Flash point</b>  | > 200°C (liquid component)                 |

**9.1 Information on basic physical and chemical properties**

|                                  |                       |
|----------------------------------|-----------------------|
| <b>Boiling point</b>             | 333.3°C               |
| <b>Melting point</b>             | NOT AVAILABLE         |
| <b>Evaporation rate</b>          | NOT AVAILABLE         |
| <b>pH</b>                        | NOT AVAILABLE         |
| <b>Vapour density</b>            | NOT AVAILABLE         |
| <b>Specific gravity</b>          | 0.82                  |
| <b>Solubility (water)</b>        | INSOLUBLE             |
| <b>Vapour pressure</b>           | 725.9 hPa (estimated) |
| <b>Upper explosion limit</b>     | NOT AVAILABLE         |
| <b>Lower explosion limit</b>     | NOT AVAILABLE         |
| <b>Partition coefficient</b>     | NOT AVAILABLE         |
| <b>Autoignition temperature</b>  | 260°C                 |
| <b>Decomposition temperature</b> | NOT AVAILABLE         |
| <b>Viscosity</b>                 | NOT AVAILABLE         |
| <b>Explosive properties</b>      | NOT AVAILABLE         |
| <b>Oxidising properties</b>      | NOT AVAILABLE         |
| <b>Odour threshold</b>           | NOT AVAILABLE         |

**9.2 Other information**

|                    |        |
|--------------------|--------|
| <b>% Volatiles</b> | 98.4 % |
|--------------------|--------|

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**10. STABILITY AND REACTIVITY****10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization is not expected to occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

**10.6 Hazardous decomposition products**

May evolve carbon oxides and hydrocarbons when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

|                              |  |
|------------------------------|--|
| <b>Health hazard summary</b> | May be harmful - irritant. This product may only have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents). Use safe work practices to avoid eye or skin contact and vapour generation - inhalation. Over exposure may result in central nervous system (CNS) effects. |
| <b>Eye</b>                   | Irritant. Contact may result in irritation, lacrimation, pain and redness.   |
| <b>Inhalation</b>            | Irritant. Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness.  |
| <b>Skin</b>                  | Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.   |
| <b>Ingestion</b>             | May be harmful. Ingestion may result in nausea, vomiting, abdominal pain and drowsiness with large quantities. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema. Ingestion is considered unlikely due to product form.   |
| <b>Toxicity data</b>         | WHITE MINERAL OIL (PETROLEUM) (8042-47-5)<br>TDLo (ingestion) 92,000 mg/kg/92 days (rat)   |

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**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Harmful to aquatic organisms.

**12.2 Persistence and degradability**

No data is available on the degradability of this product.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Other adverse effects**

Aliphatic hydrocarbons behave differently in the environment depending on their size. WATER: Light aliphatics volatilise rapidly from water (half life - few hours). Bioconcentration should not be significant. SOIL: Light aliphatics biodegrade quickly in soil and water, heavy aliphatics biodegrade very slowly. ATMOSPHERE: Vapour-phase aliphatics will degrade by reaction with hydroxyl radicals.

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**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

**Waste disposal** For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).  
**Legislation** Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



|                                | LAND TRANSPORT<br>(ADG) | SEA TRANSPORT<br>(IMDG / IMO) | AIR TRANSPORT<br>(IATA / ICAO) |
|--------------------------------|-------------------------|-------------------------------|--------------------------------|
| 14.1 UN Number                 | 1950                    | 1950                          | 1950                           |
| 14.2 Proper<br>Shipping Name   | AEROSOLS                | AEROSOLS                      | AEROSOLS                       |
| 14.3 Transport<br>hazard class | 2.1                     | 2.1                           | 2.1                            |
| 14.4 Packing Group             | None Allocated          | None Allocated                | None Allocated                 |

**14.5 Environmental hazards** No information provided

**14.6 Special precautions for user**

**Hazchem code** 2YE

**GTEPG** 2D1

**EMS** F-D, S-U

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**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

**PRODUCT NAME    FOOD GRADE CHAIN LUBE**

|                             |   |   |
|-----------------------------|---|---|
| <b>Hazard codes</b>         | F<br>N  | Flammable<br>Dangerous for the environment  |
| <b>Risk phrases</b>         | R10<br>R52  | Flammable.<br>Harmful to aquatic organisms.   |
| <b>Safety phrases</b>       | S2<br>S16<br>S45<br>S61   | Keep out of reach of children.<br>Keep away from sources of ignition - No smoking.<br>In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).<br>Avoid release to the environment. Refer to special instructions/safety data sheets. |
| <b>Inventory listing(s)</b> | <b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b><br>All components are listed on AICS, or are exempt. |   |

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**16. OTHER INFORMATION**

|                               |  |
|-------------------------------|--|
| <b>Additional information</b> | <p><b>EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:</b> Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).</p> <p>AEROSOL CANS may explode at temperatures approaching 50°C.</p> <p><b>WORK PRACTICES - SOLVENTS:</b> Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.</p> <p><b>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:</b><br/>The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> <p><b>HEALTH EFFECTS FROM EXPOSURE:</b><br/>It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.</p> |
|-------------------------------|--|

|                      |   |
|----------------------|---|
| <b>Abbreviations</b> |   |
| ACGIH                | American Conference of Governmental Industrial Hygienists                                       |
| CAS #                | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS                  | Central Nervous System  |
| EC No.               | EC No - European Community Number   |
| EMS                  | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS                  | Globally Harmonized System  |
| GTEPG                | Group Text Emergency Procedure Guide  |
| IARC                 | International Agency for Research on Cancer   |
| LC50                 | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50                 | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup>    | Milligrams per Cubic Metre  |
| OEL                  | Occupational Exposure Limit   |
| pH                   | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm                  | Parts Per Million   |
| STEL                 | Short-Term Exposure Limit   |
| STOT-RE              | Specific target organ toxicity (repeated exposure)  |
| STOT-SE              | Specific target organ toxicity (single exposure)  |
| SUSMP                | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA                  | Safe Work Australia   |
| TLV                  | Threshold Limit Value   |
| TWA                  | Time Weighted Average   |

| Revision history | Revision | Description                   |
|------------------|----------|-------------------------------|
|                  | 2.0      | GHS classifications provided. |
|                  | 1.0      | Standard SDS Review           |

**Report status** This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier. While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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